

US-PAT-NO: 6097251
DOCUMENT- US 6097251 A
IDENTIFIER:
TITLE: Pre-recorded sigma delta values for power
amplifier control

Detailed Description Text - DETX (7):

Within the converter, a digital signal 80 is input into a interpolator 85 which, oversamples (i.e., increases the sampling rate) the digital input signal. Oversampled digital signal output from the interpolator 85 is sent to a sigma-delta modulator 90. The operation of the sigma-delta modulator 90, as discussed above, is to noise-shape the overmodulated signal. Noise located in the lower frequencies is shifted to the higher frequencies. Since the output of the sigma-delta modulator 90 is still in a digital format, the output is sent to an output smoothing filter 100 which smooths the signals and outputs an analog signal 105. (SDM)